

FIG. 1

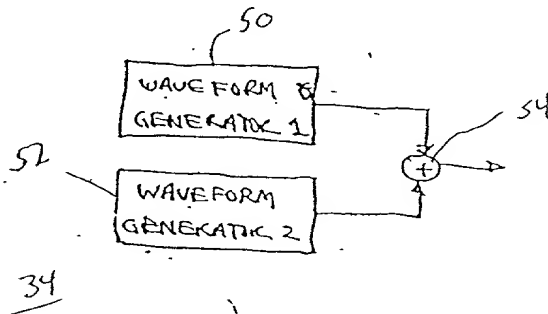
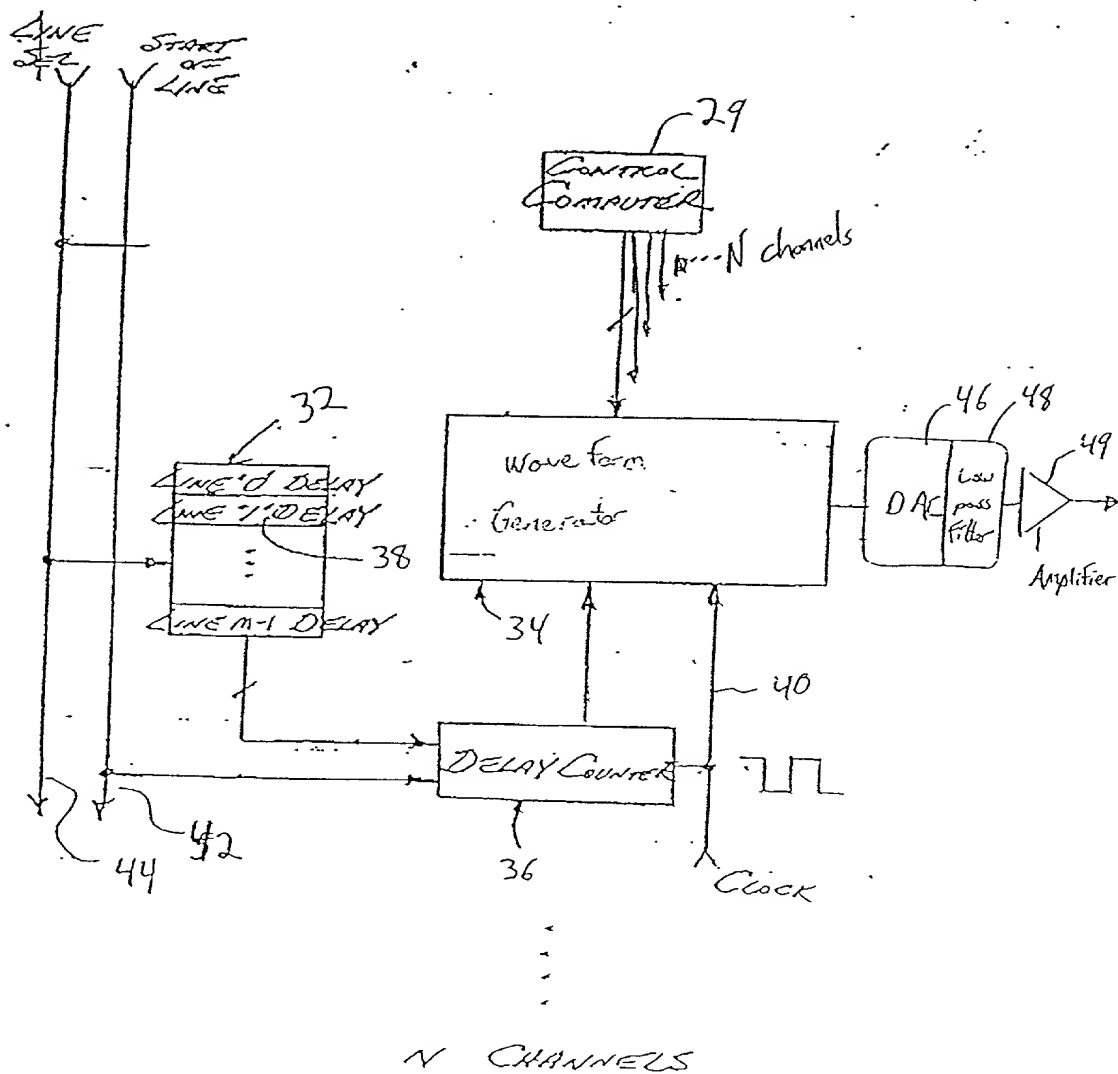


FIG. 3

FIGURE 2



30 (TRANSMIT BEAMFORMING)

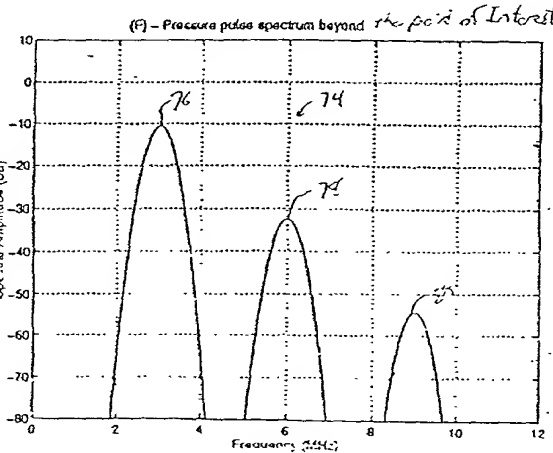
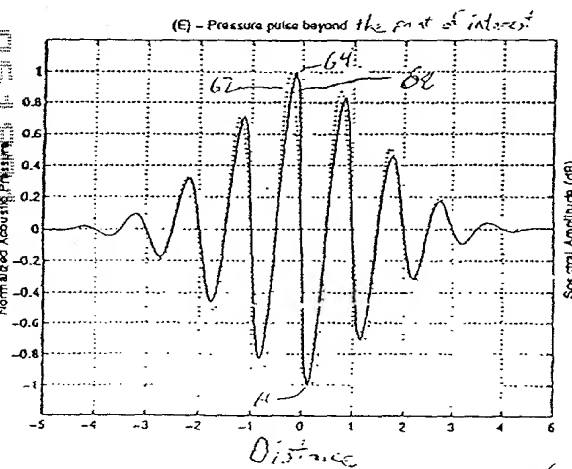
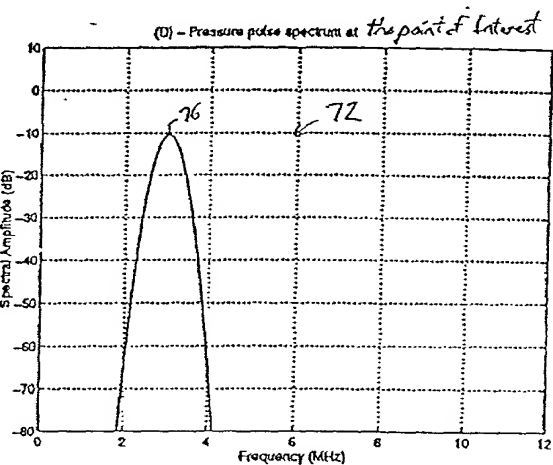
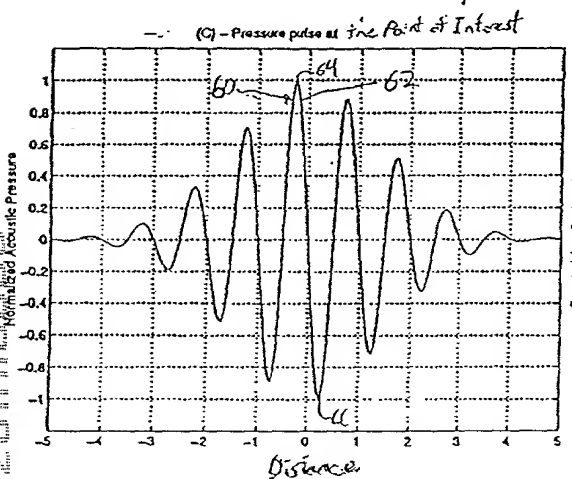
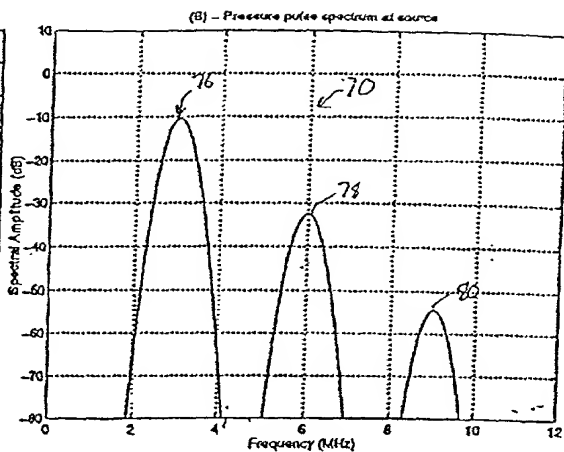
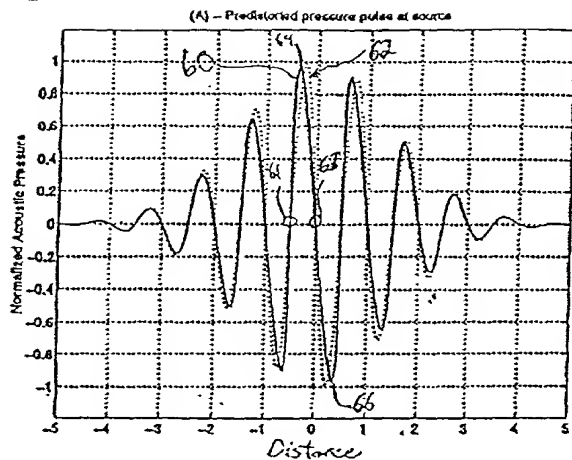


FIG 4

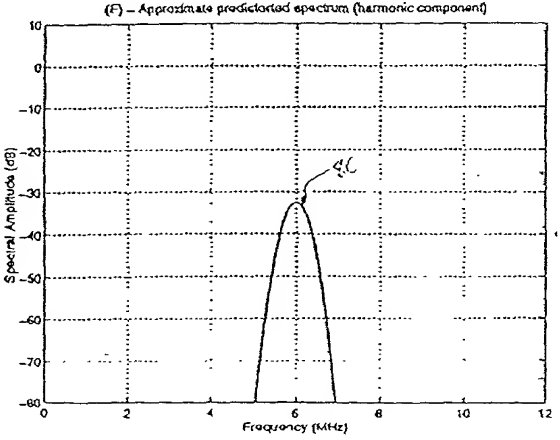
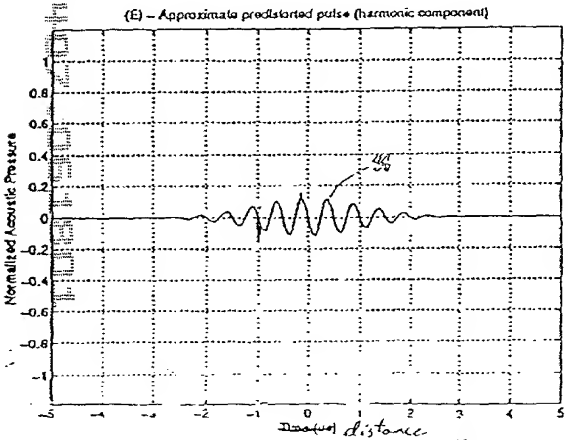
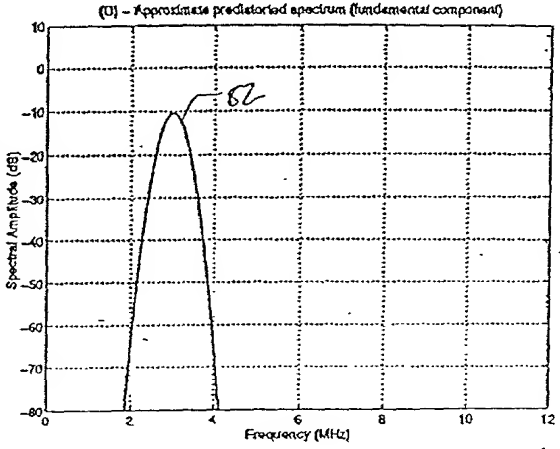
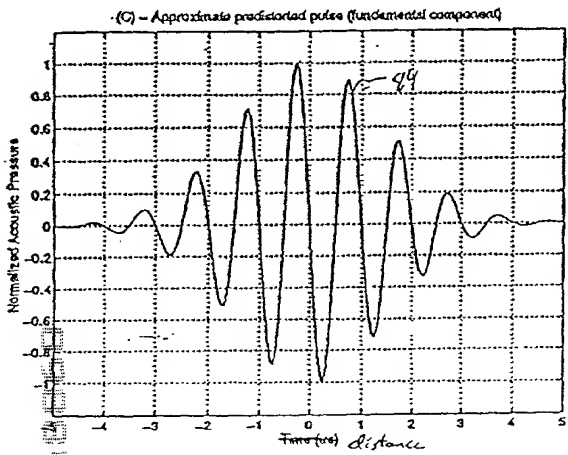
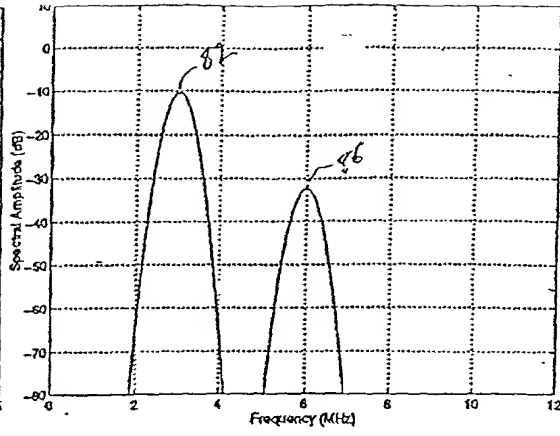
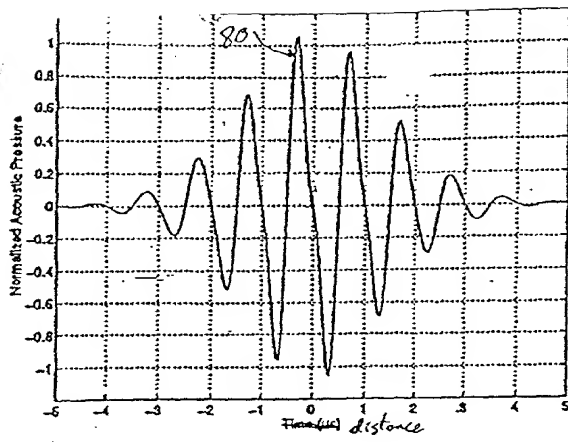


FIG. 5

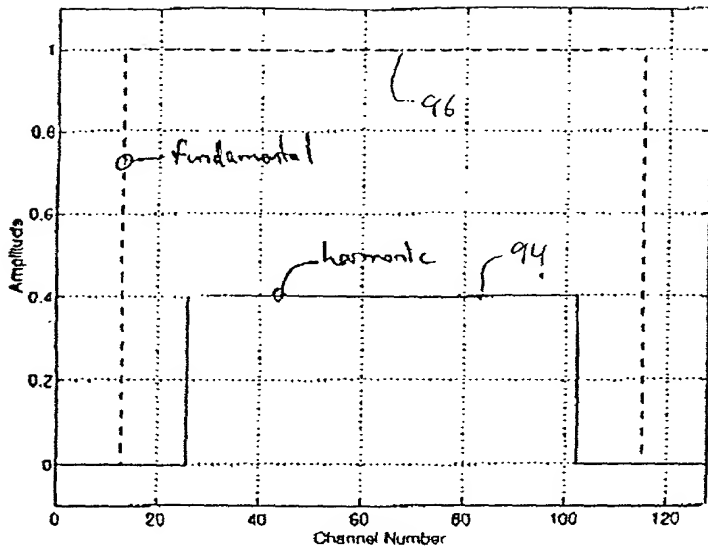


FIG. 6A

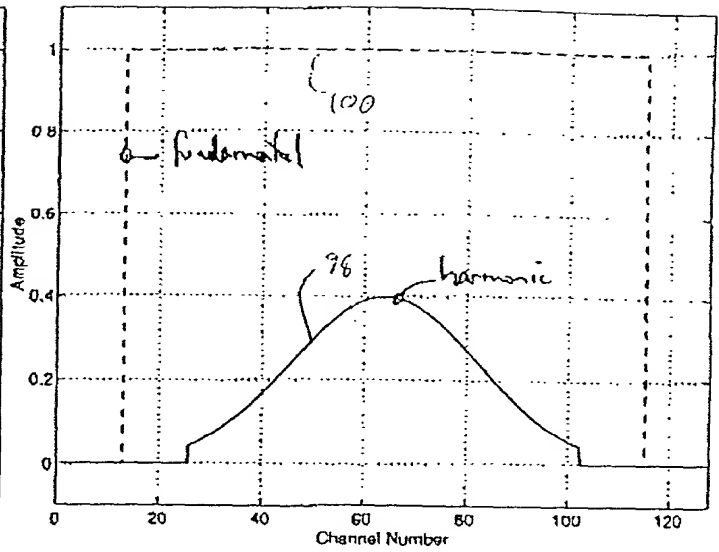


FIG. 6B

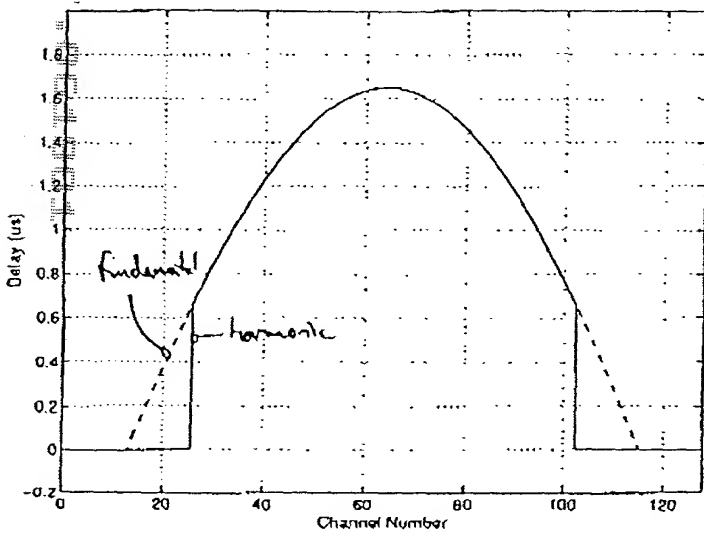


FIG. 6C

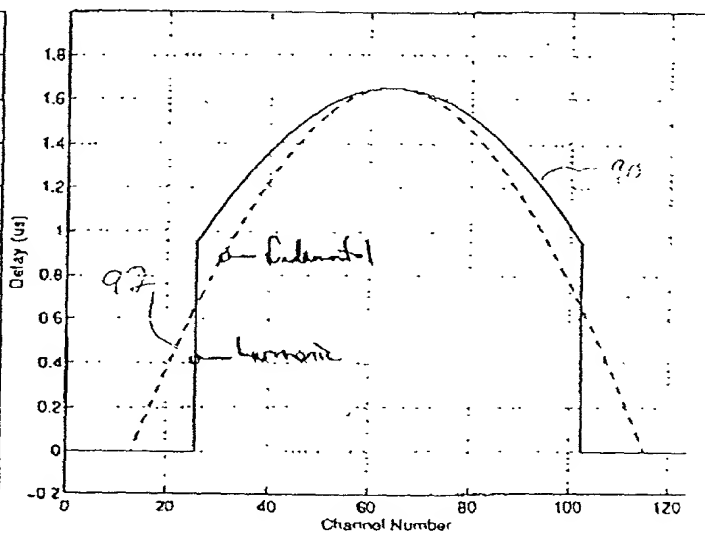


FIG. 6D

FIG. 6

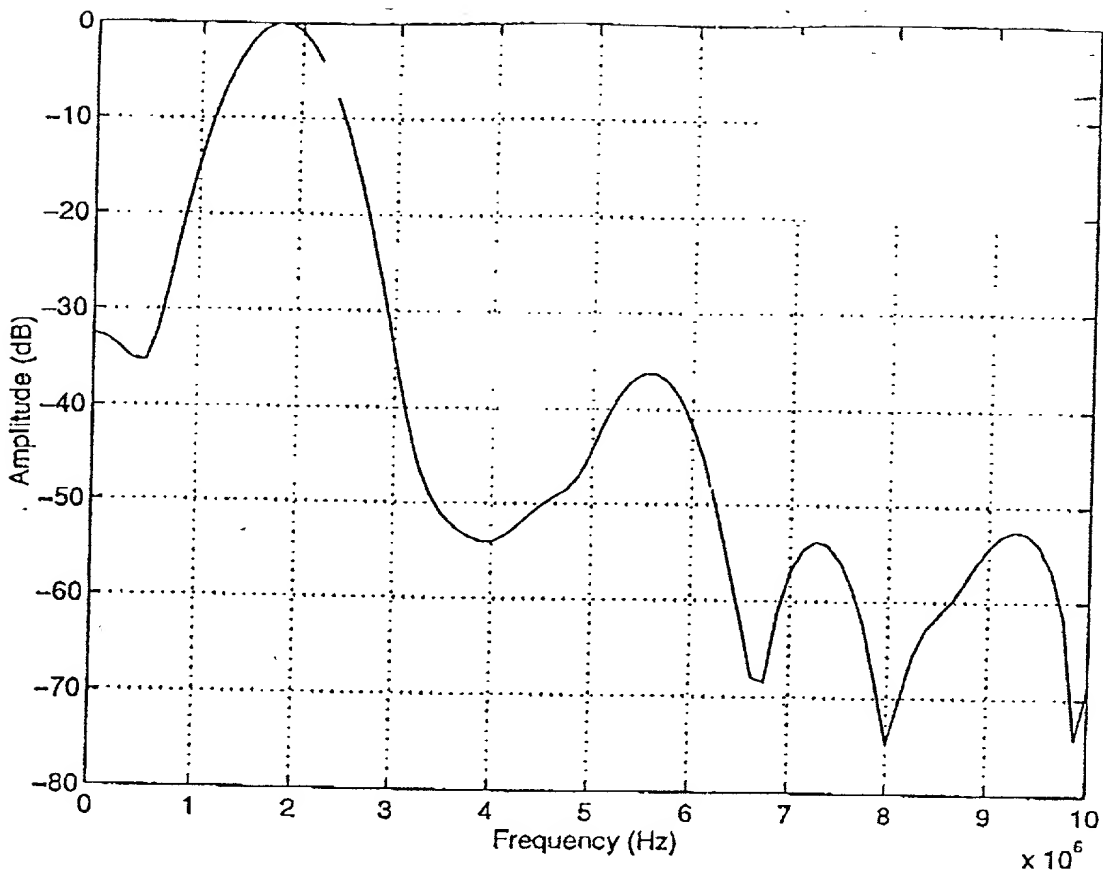


Figure 7A

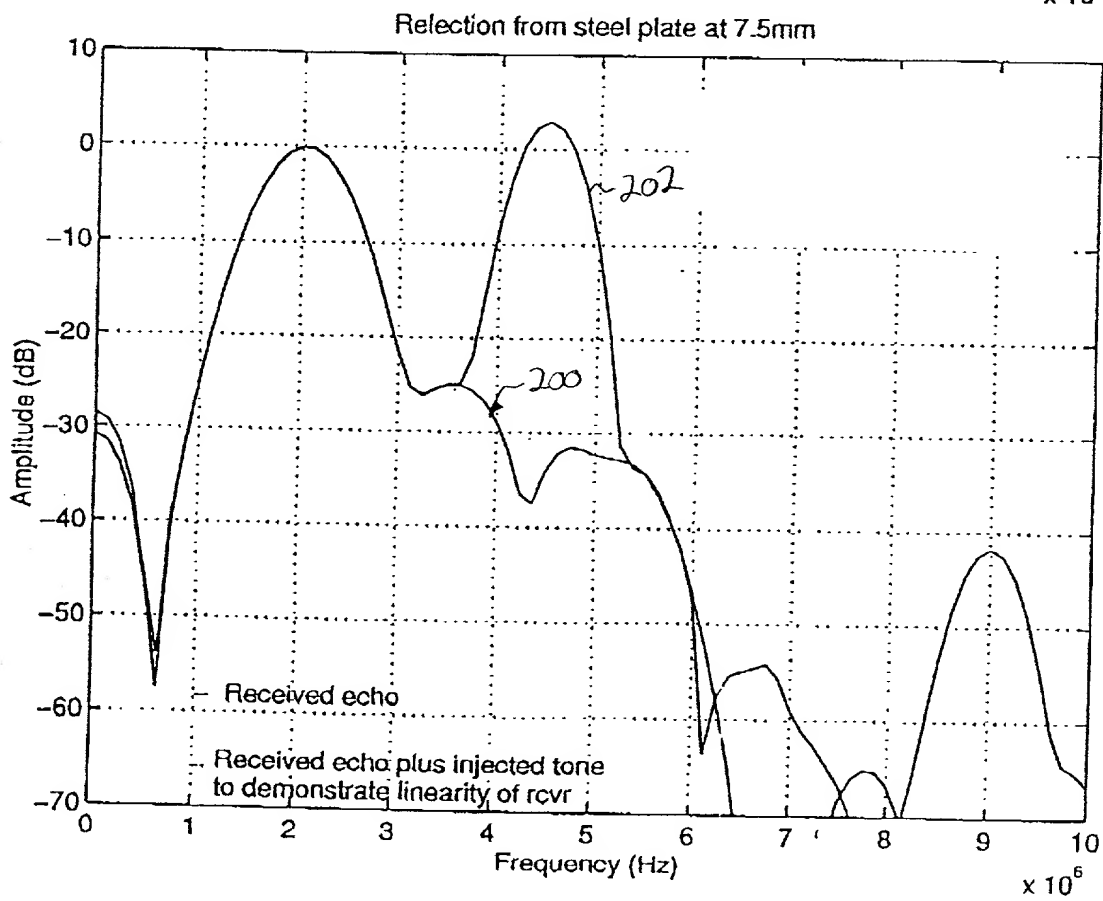


Figure 7B

(A) Source waveform (1): undistorted (—), pre-distorted (---)

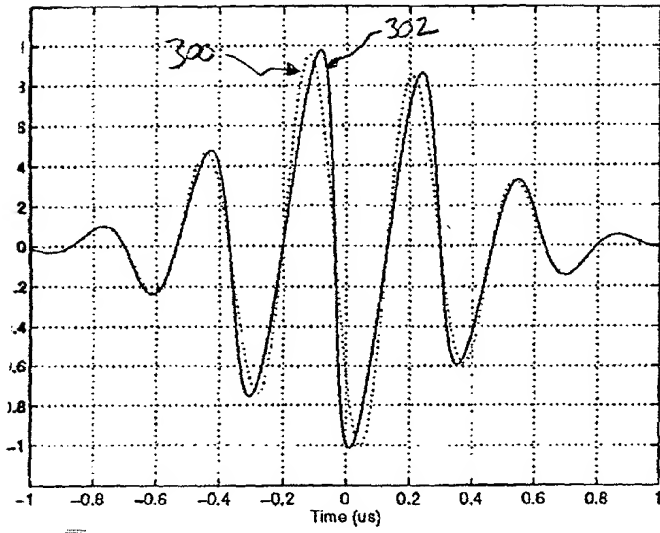


Figure 8A

(B) - Pre-distorted pulse spectrum

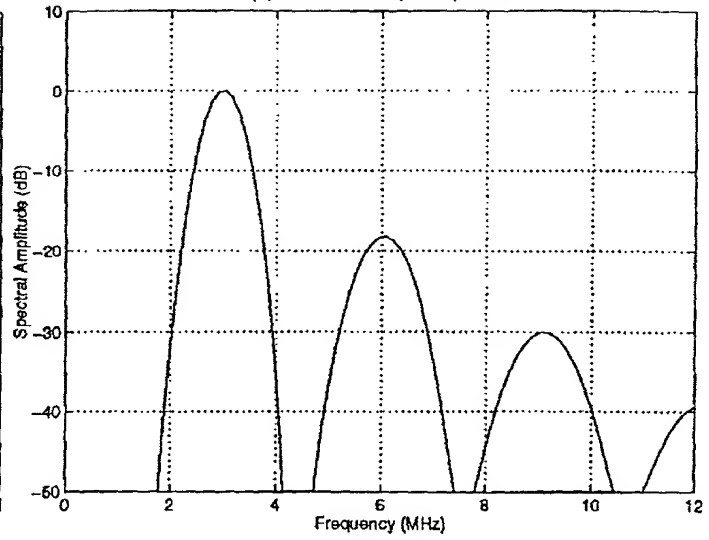


Figure 8B

(C) - Source waveform: fundamental (—) and 2nd Harmonic (---) components

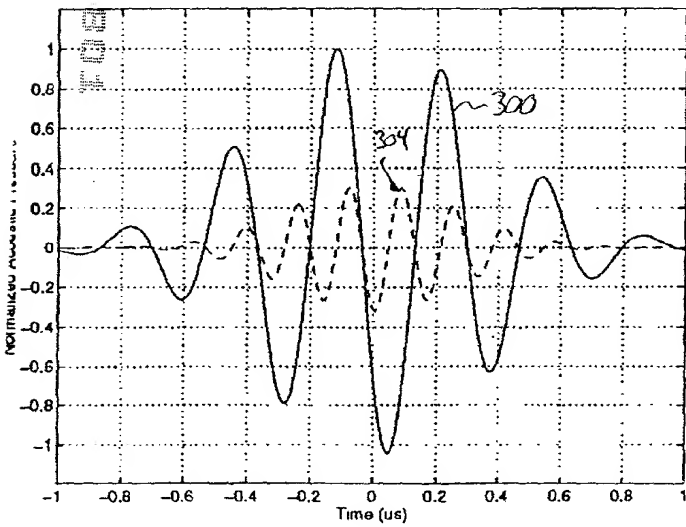


Figure 8C

(D) - Source spectrum: fundamental (—) and 2nd Harmonic (---) components

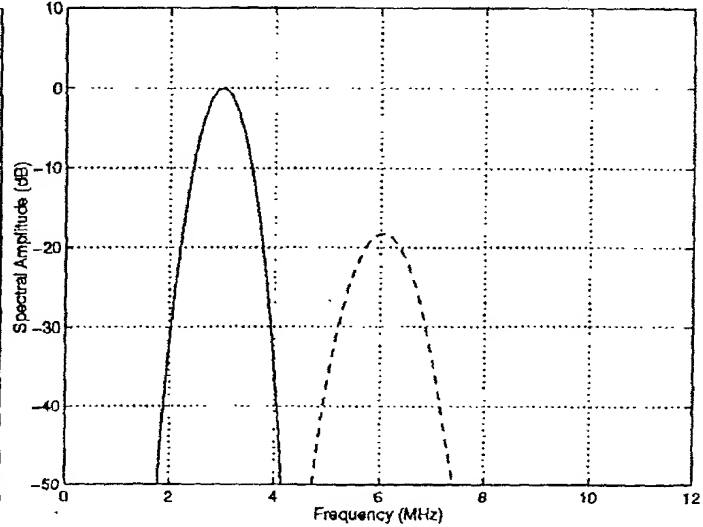


Figure 8D

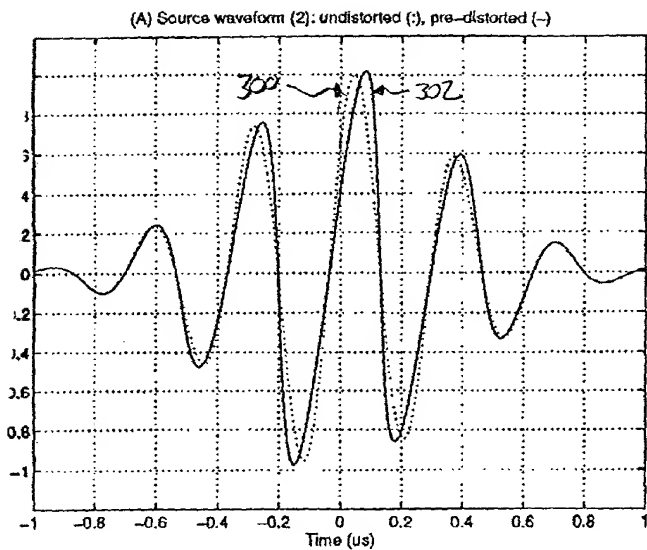


Figure 9A

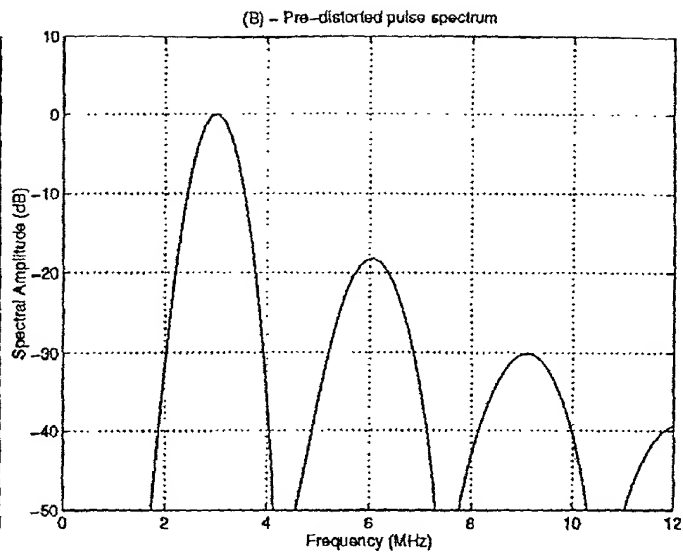


Figure 9B

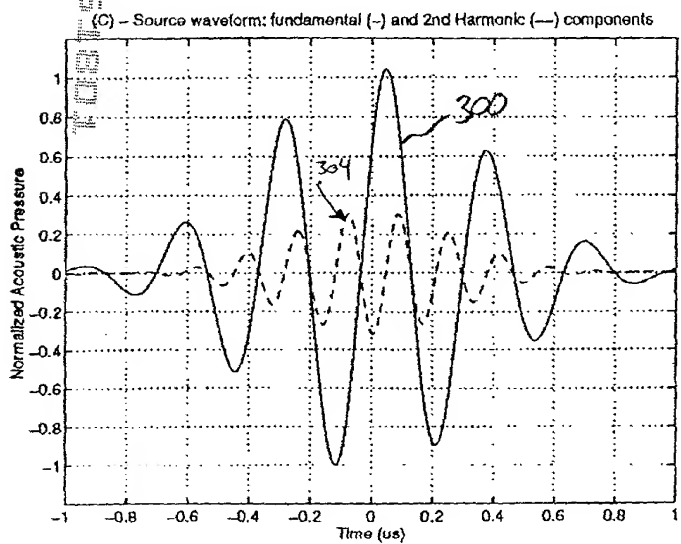


Figure 9C

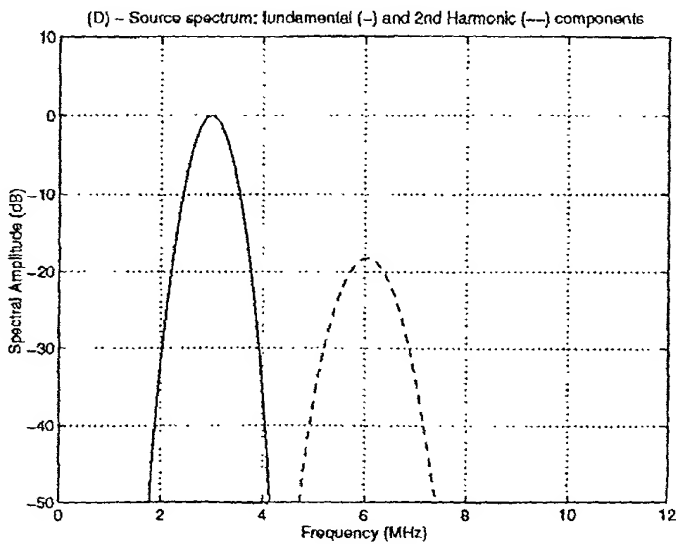


Figure 9D



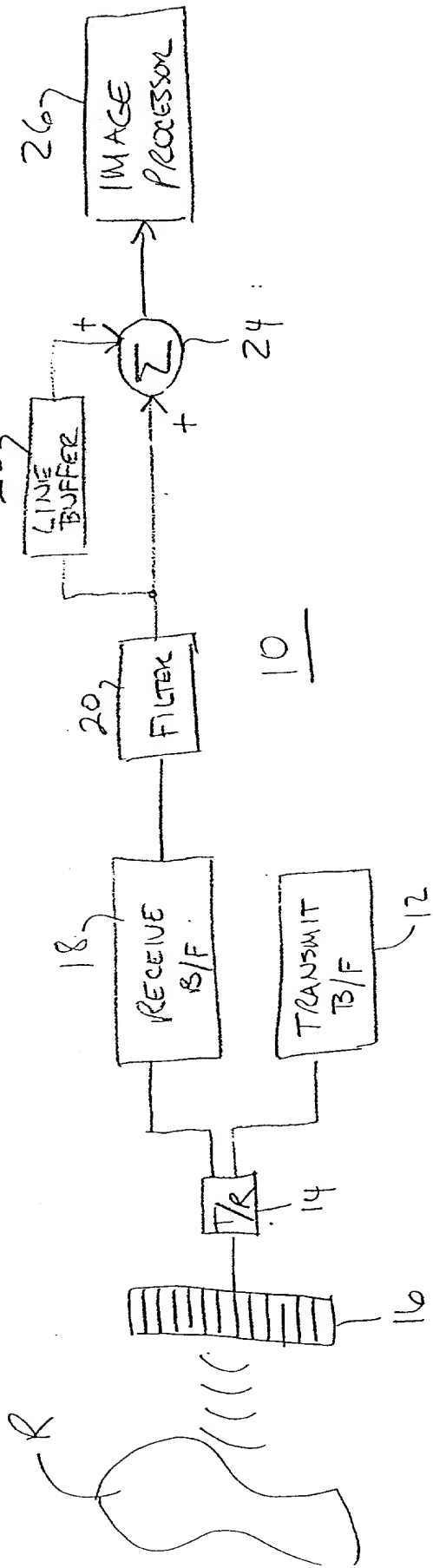


FIG 10

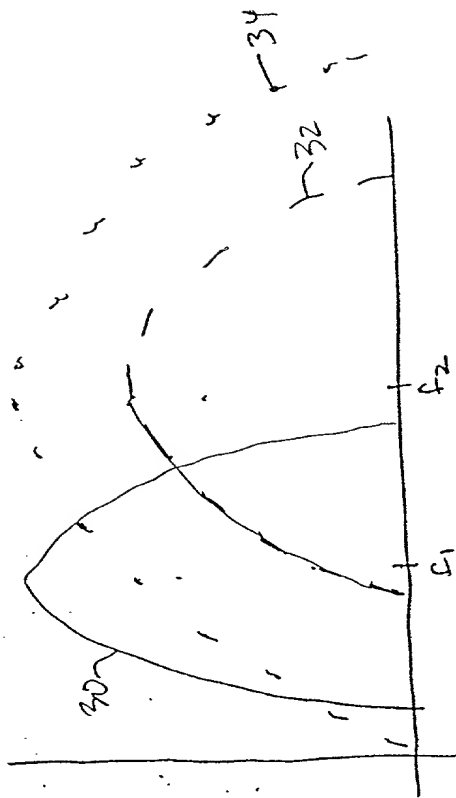


Fig 11a

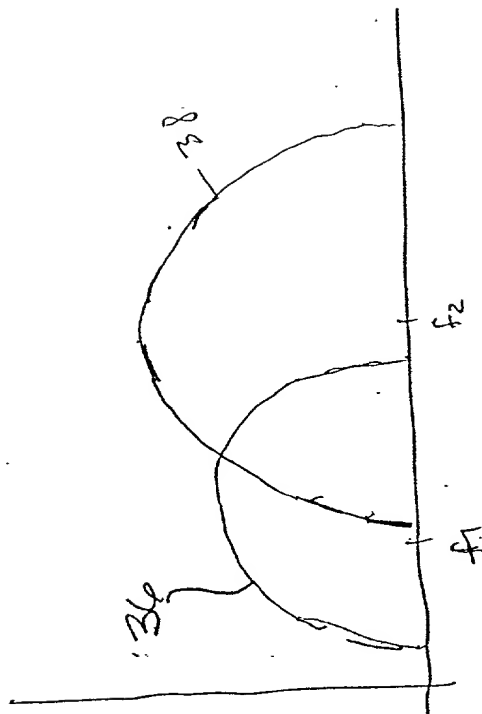
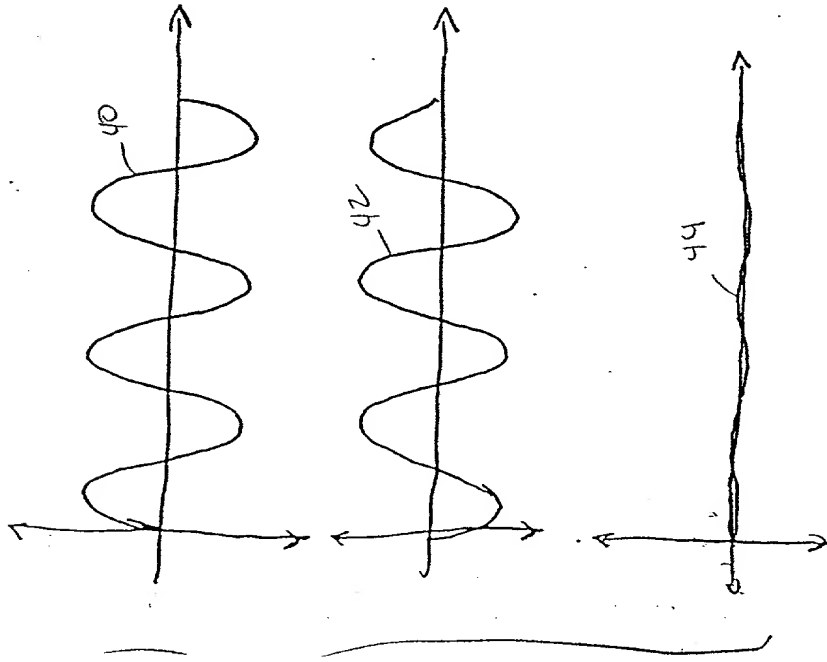


Fig 11b

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FUNDAMENTAL



EVEN HARMONICS

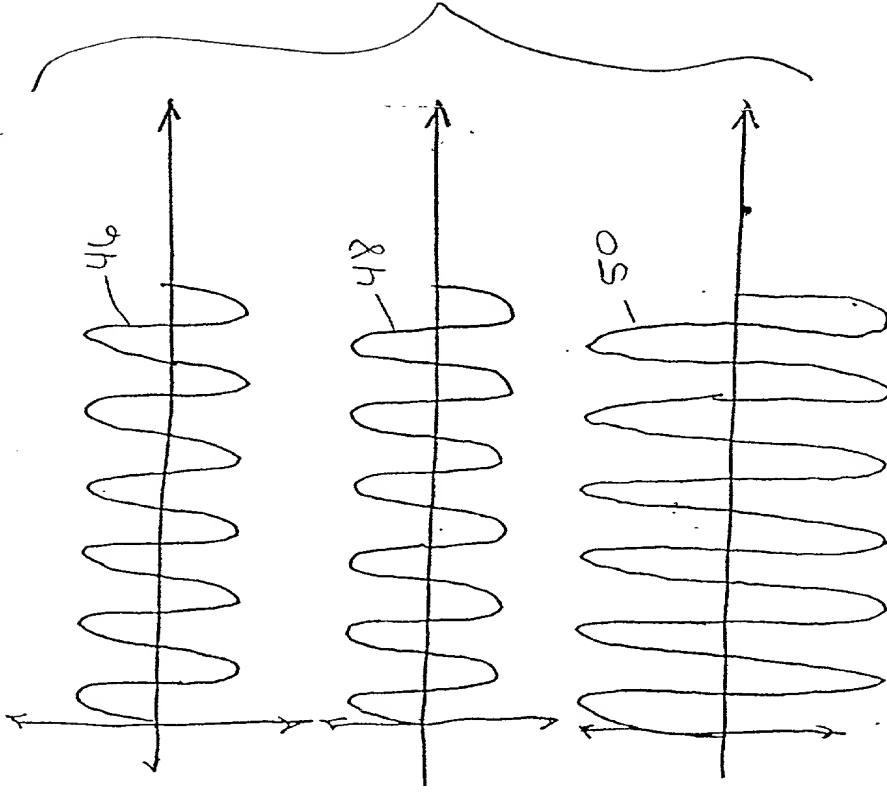


Fig 12a

Fig 12b

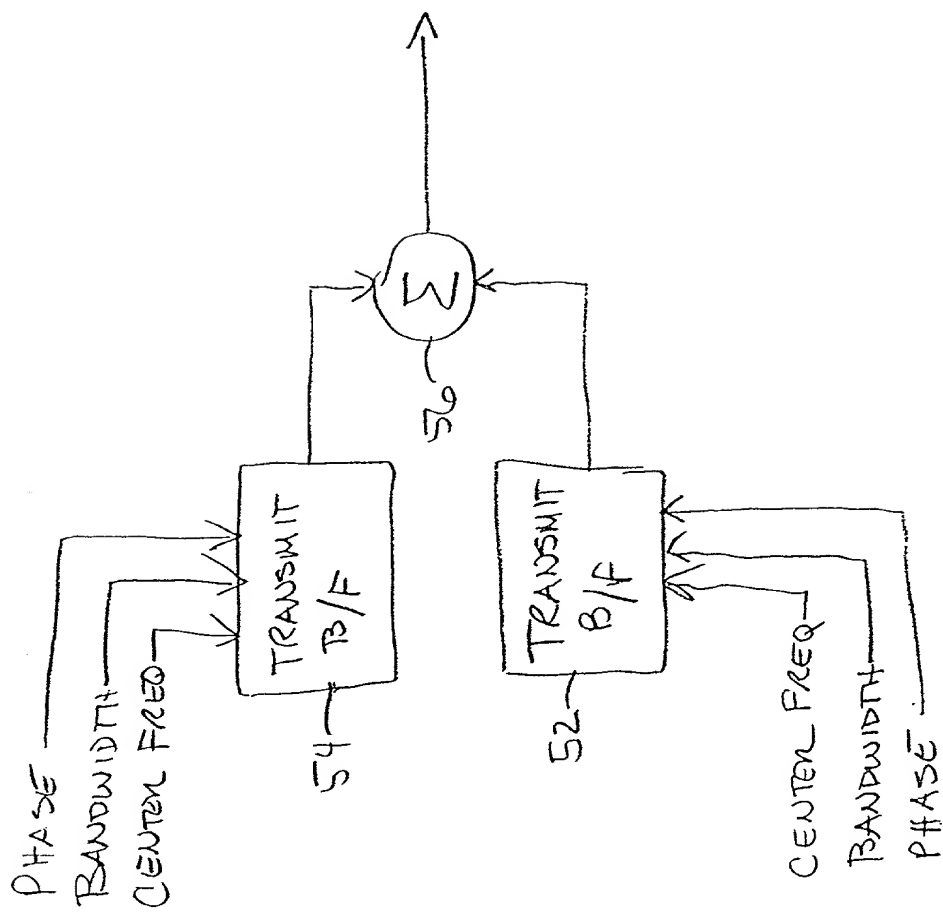


FIG 13

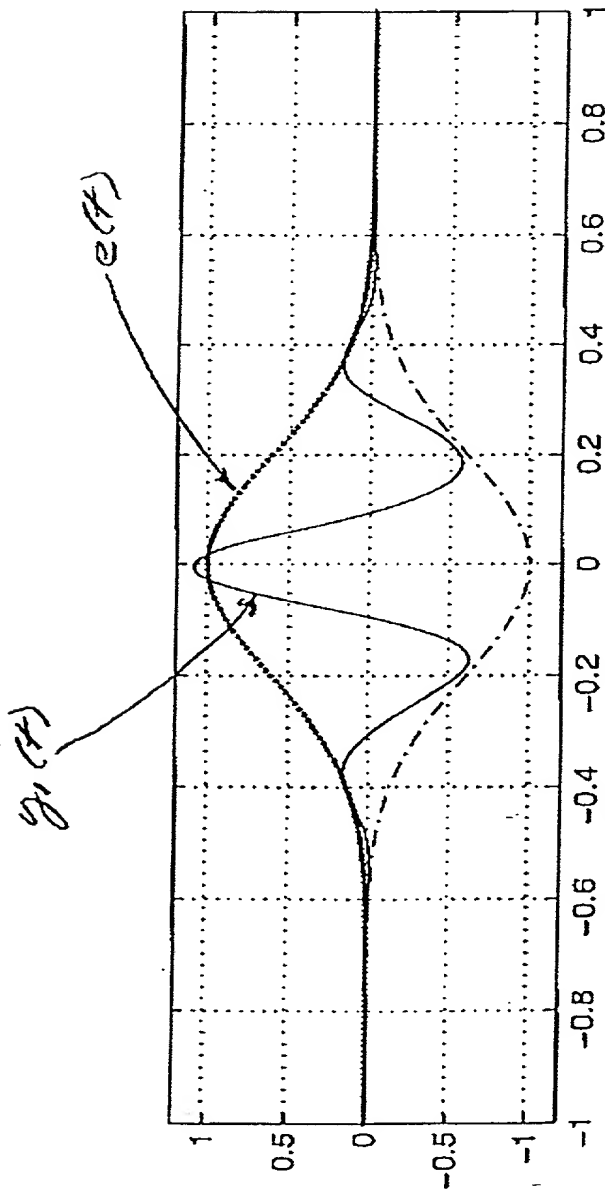


Fig 14

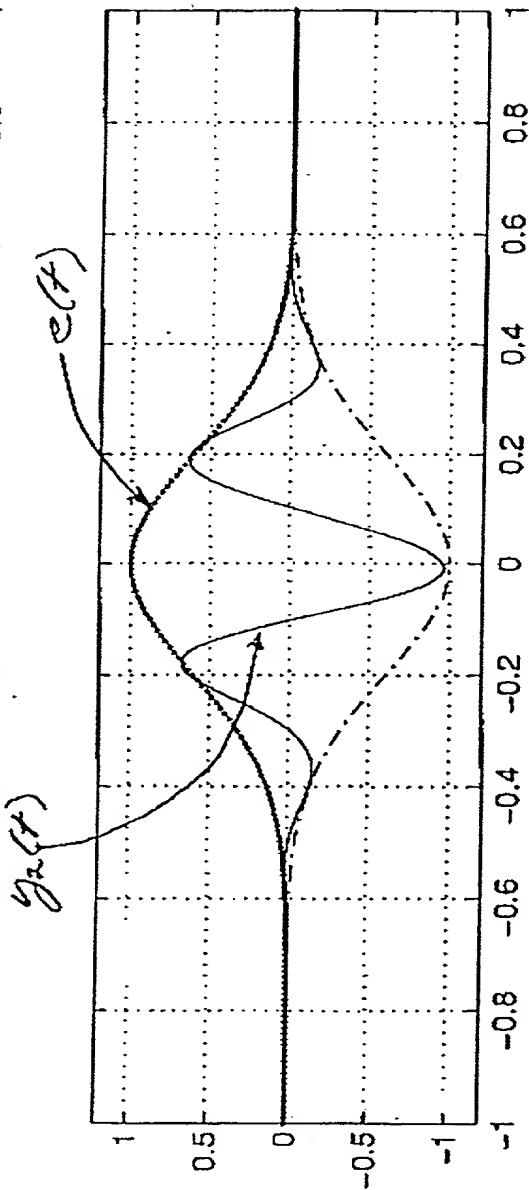


Fig 15

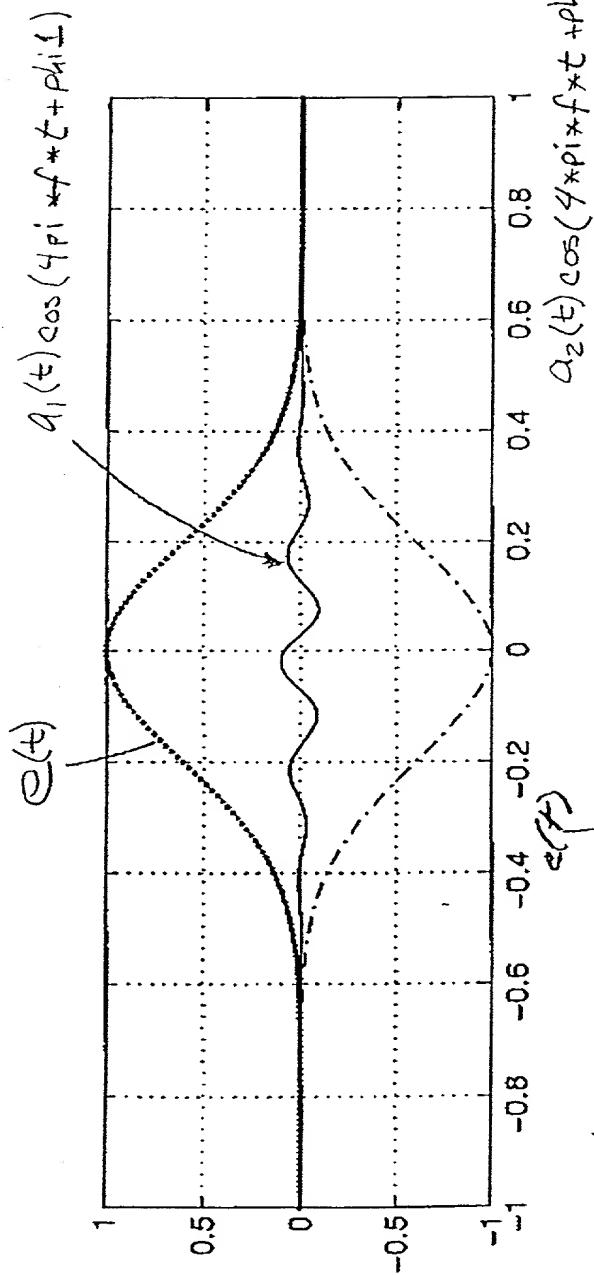


FIG 16

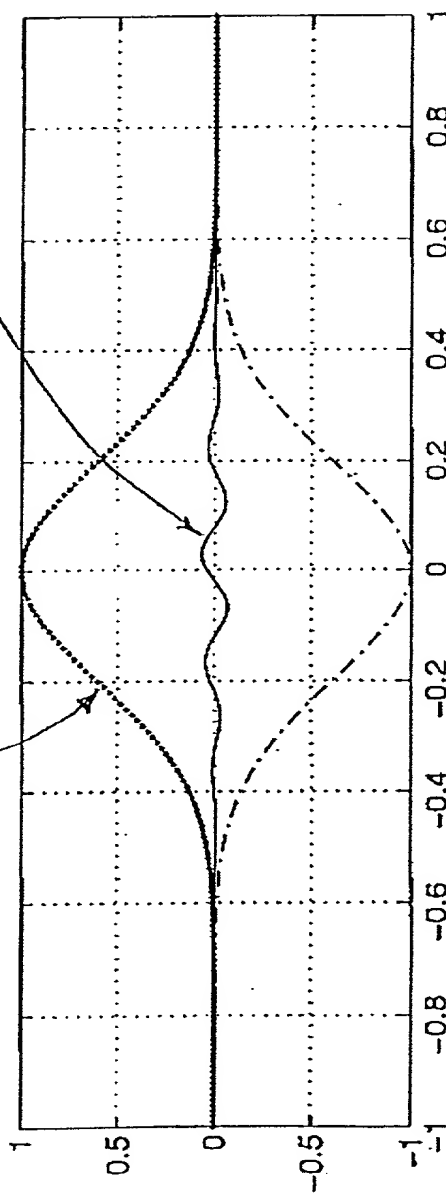


FIG 17

FOI b6 FOI b7C

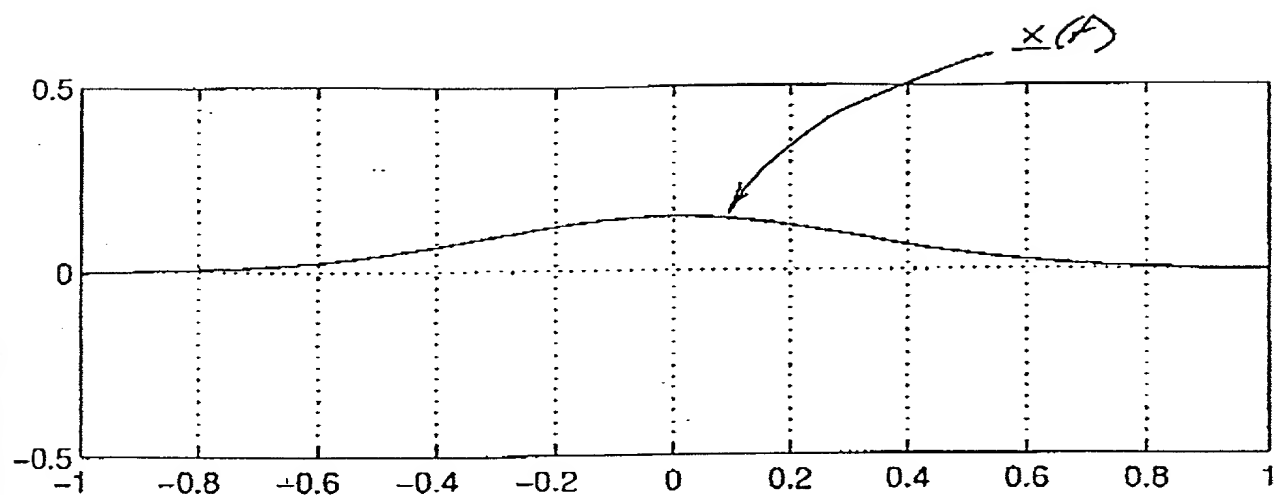


FIG 18

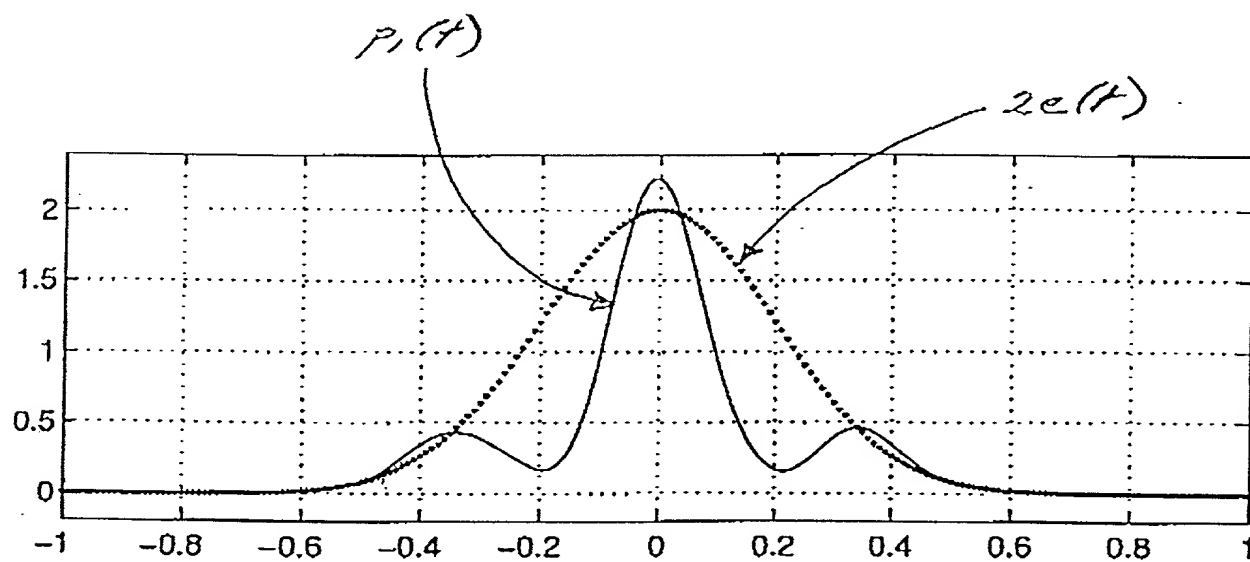


FIG 19

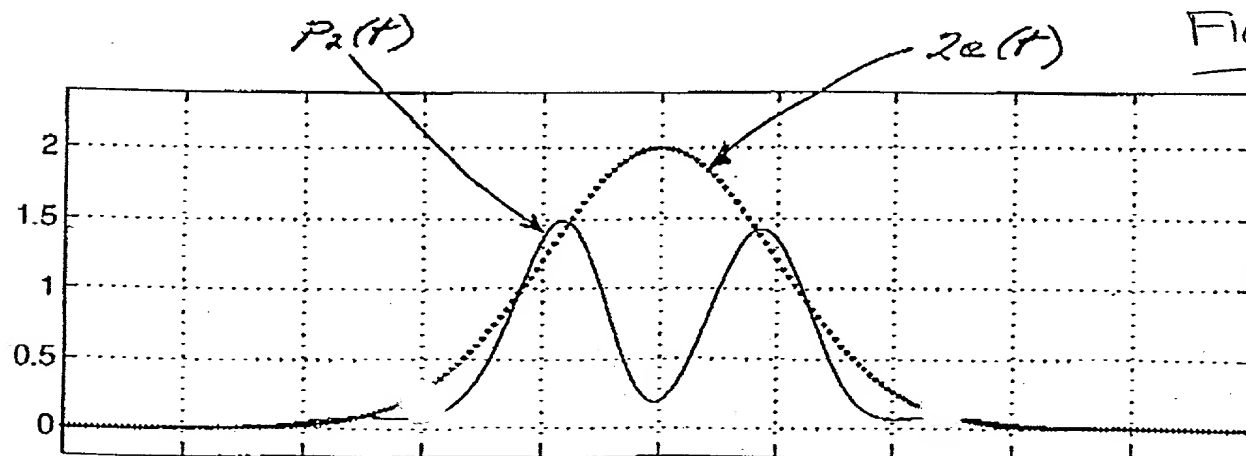


FIG 20

09884407 20448860

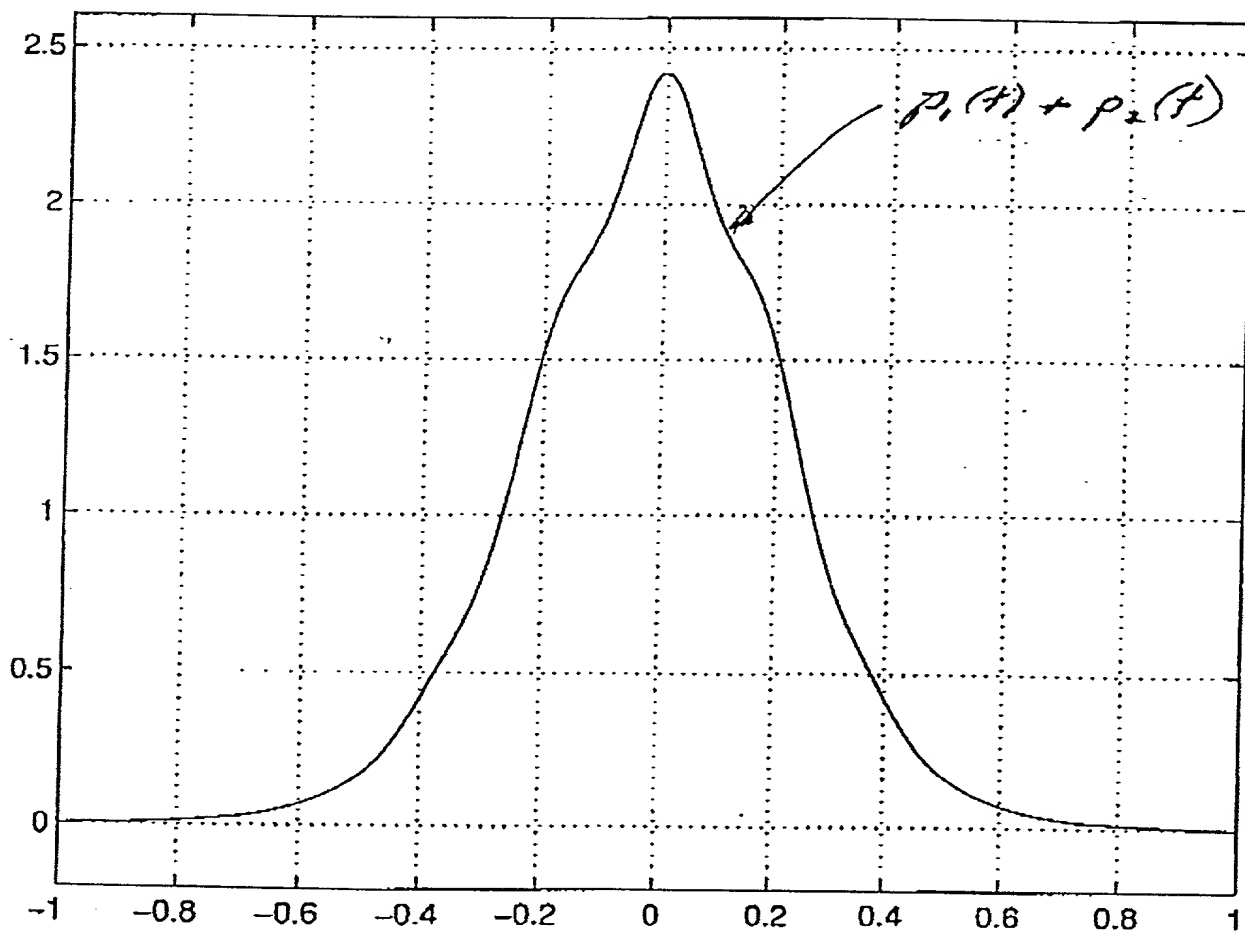


Fig 21



FOREFS02044860

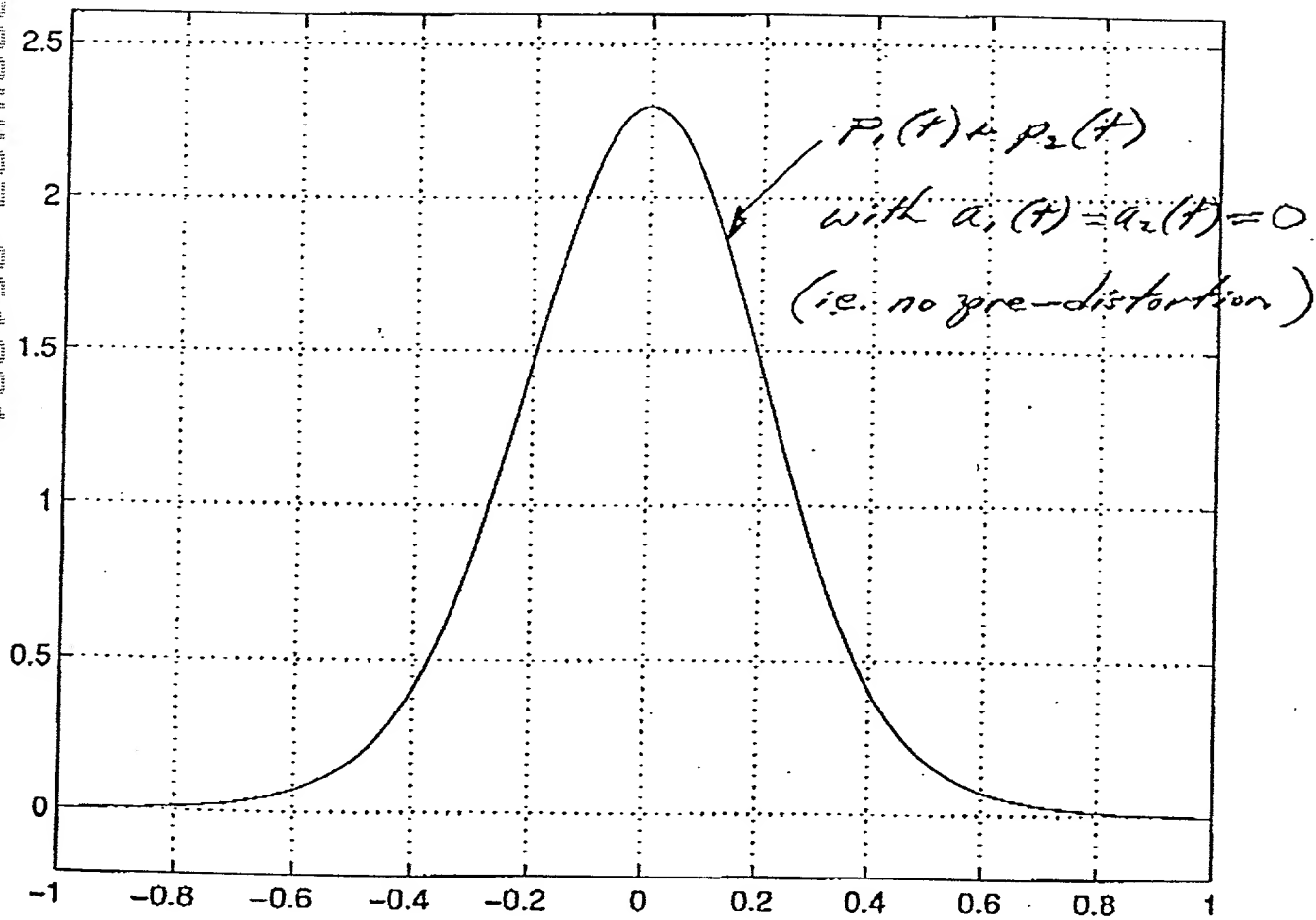


FIG 22

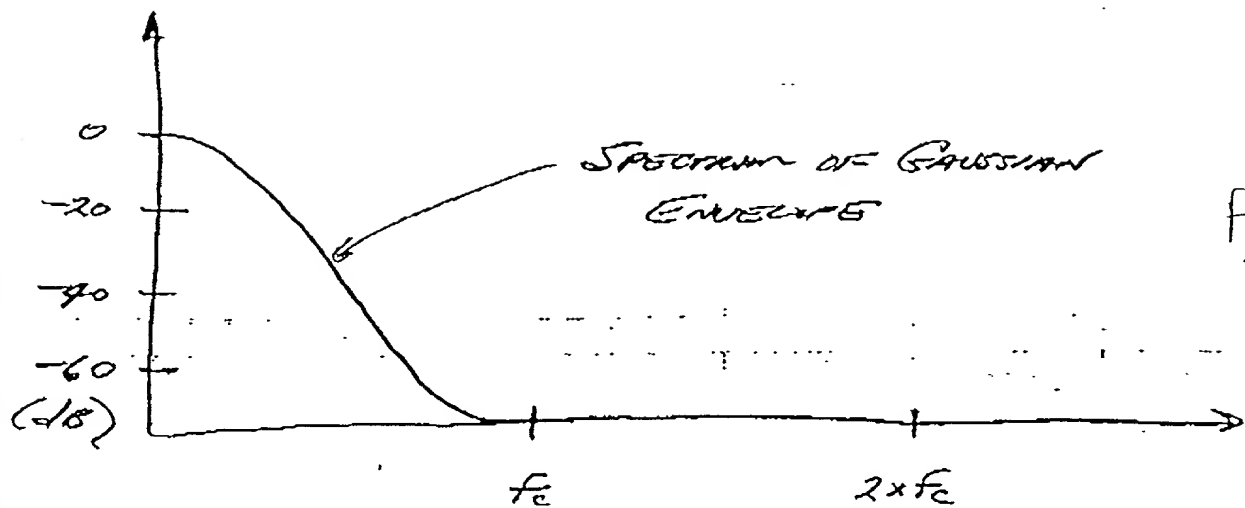


Fig 23

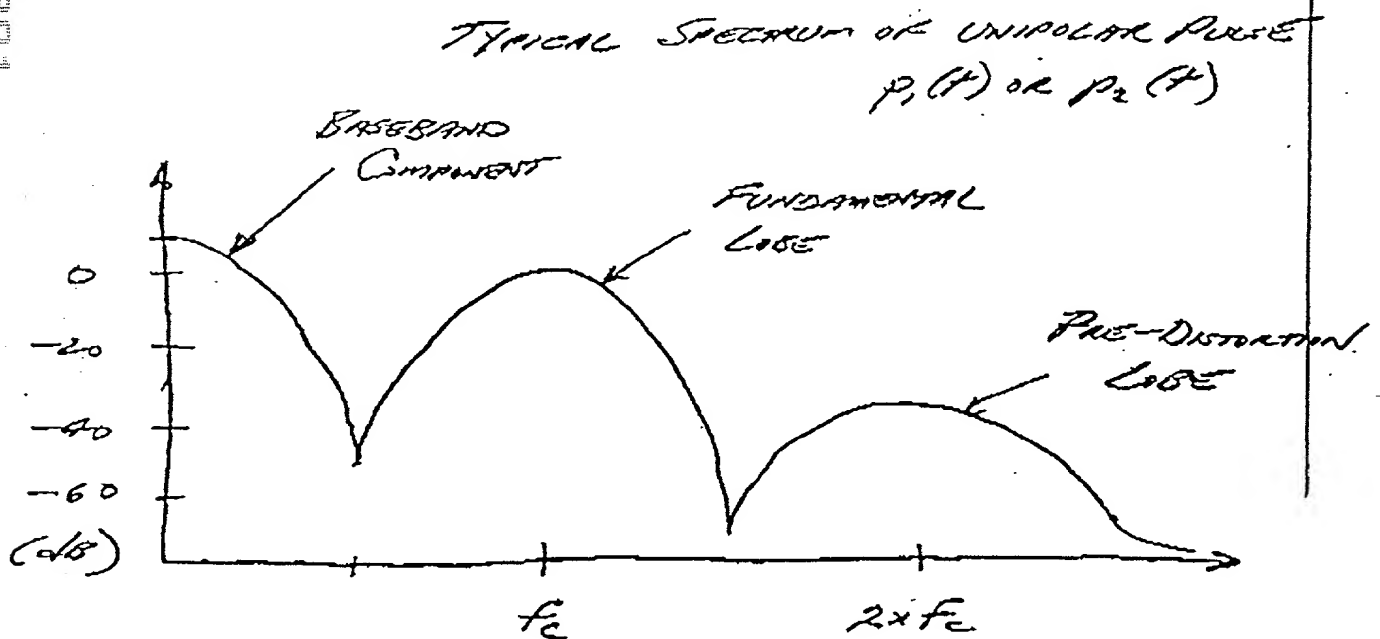


FIG 24

000000-000000

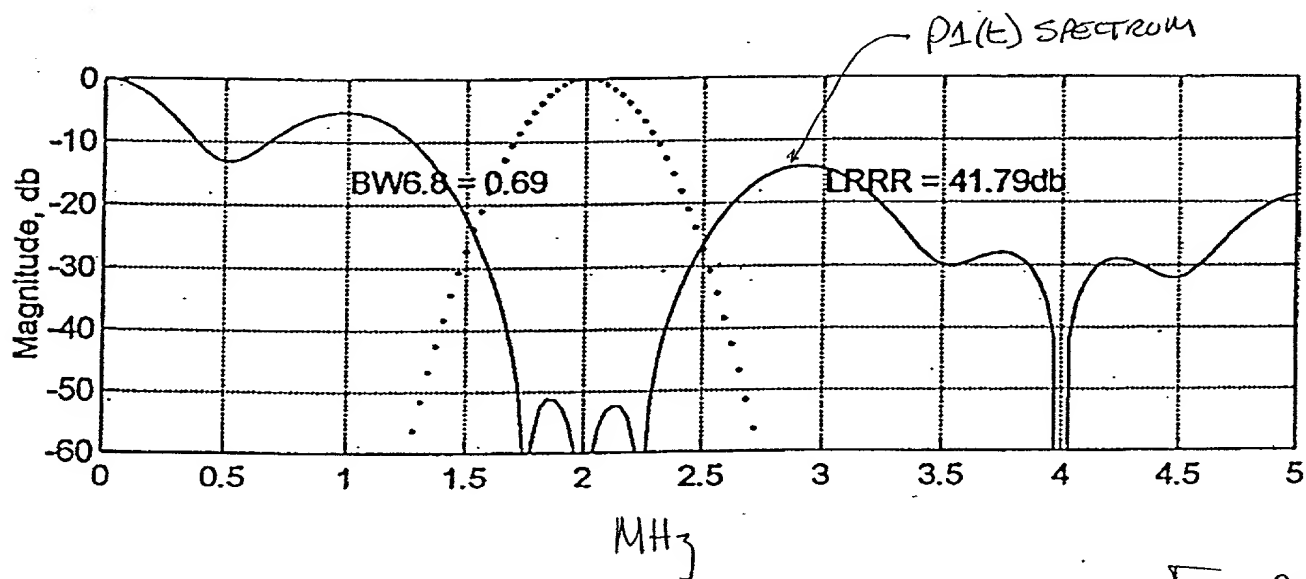
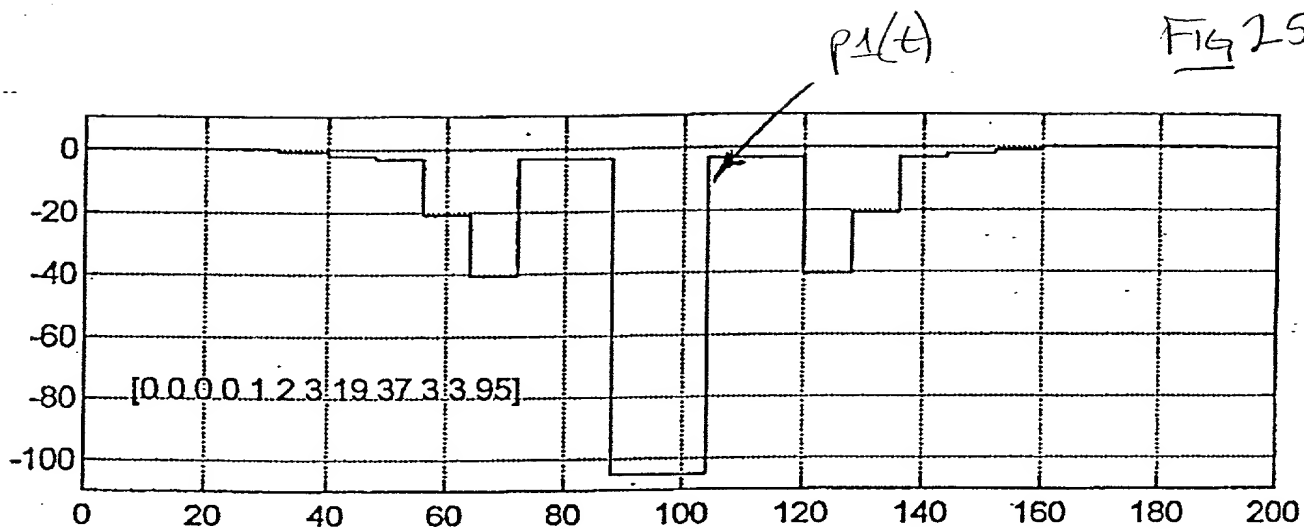


Fig 26

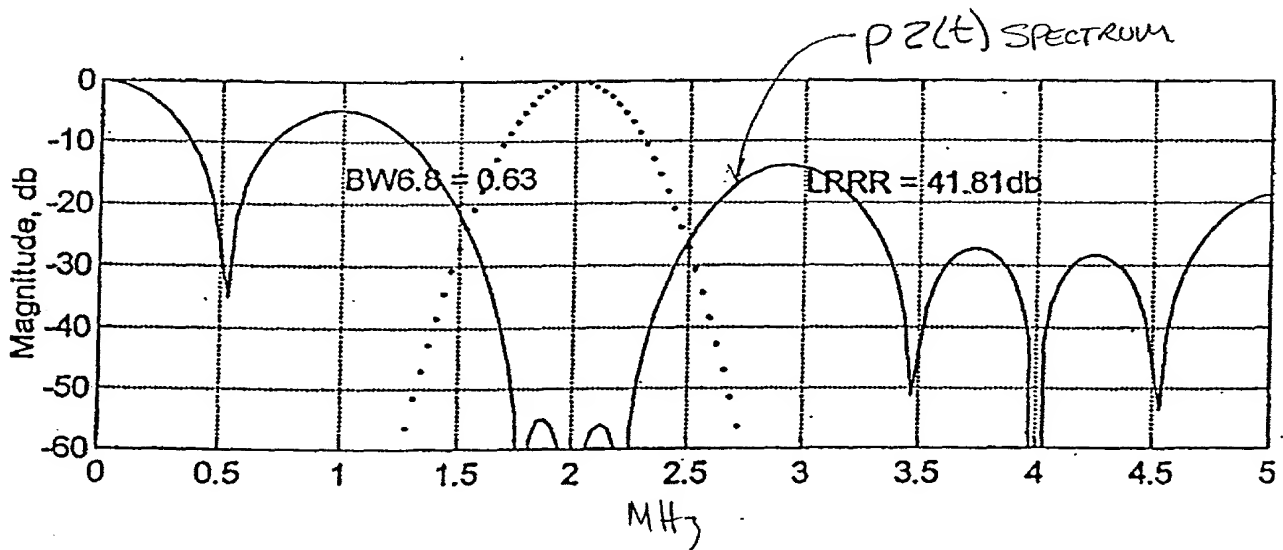
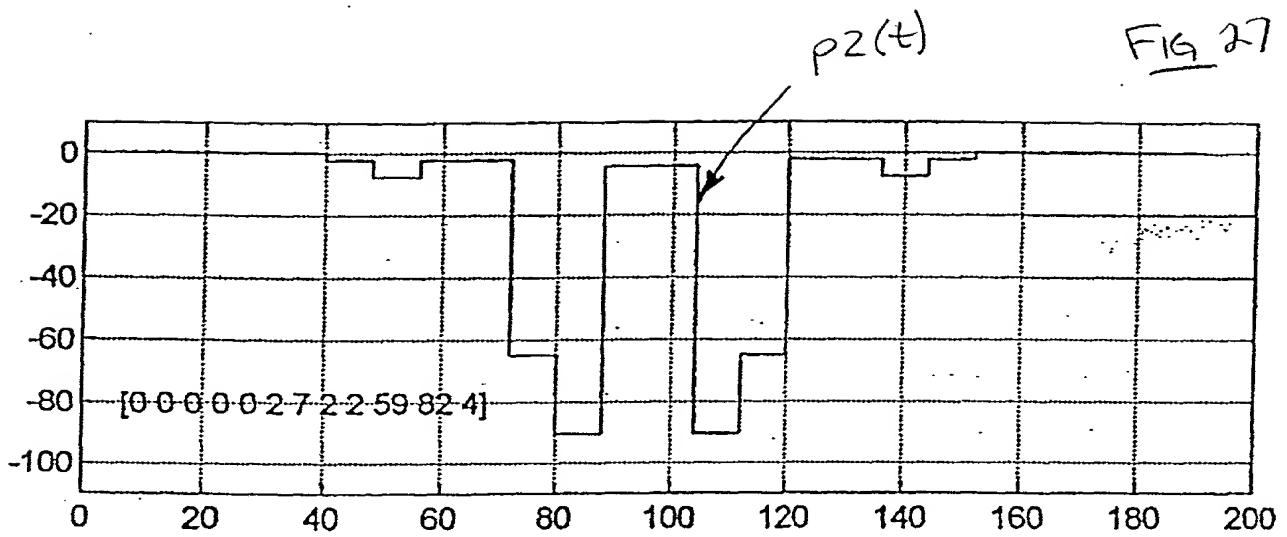


FIG 28

FIG 29 20448860

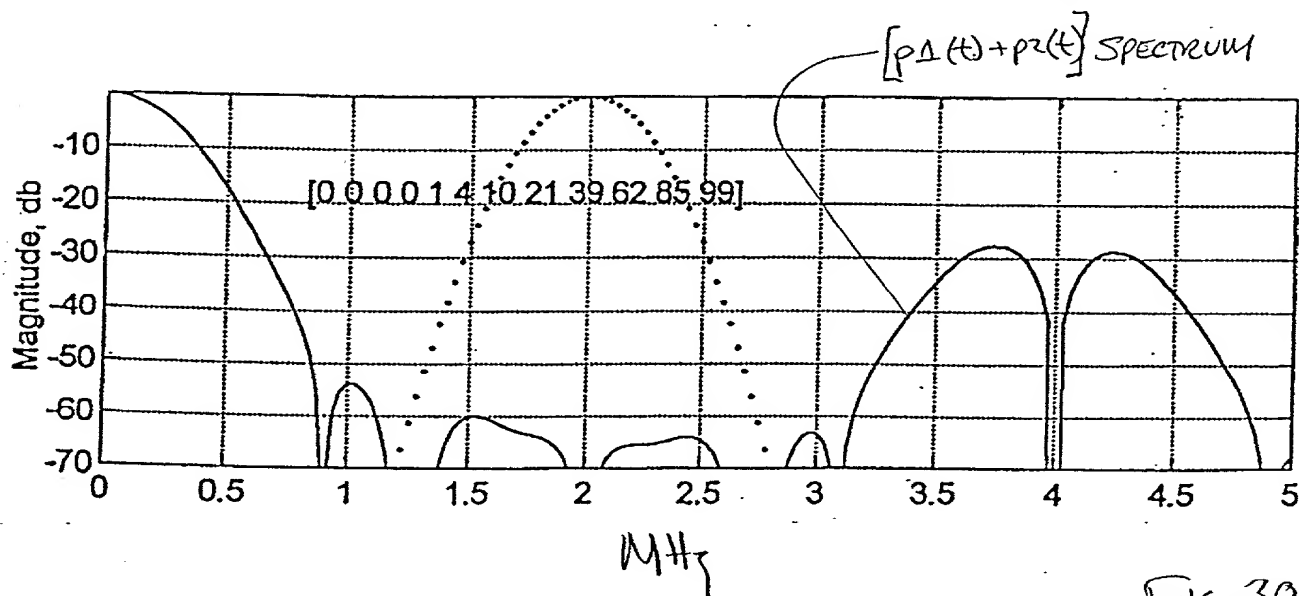
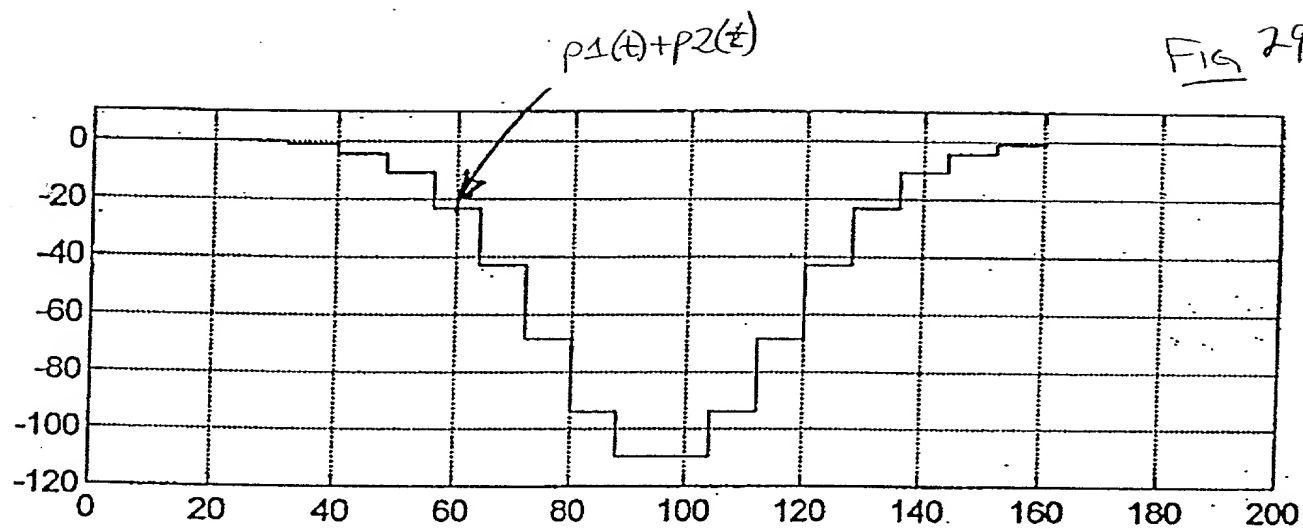


Fig 30

09884407-061801

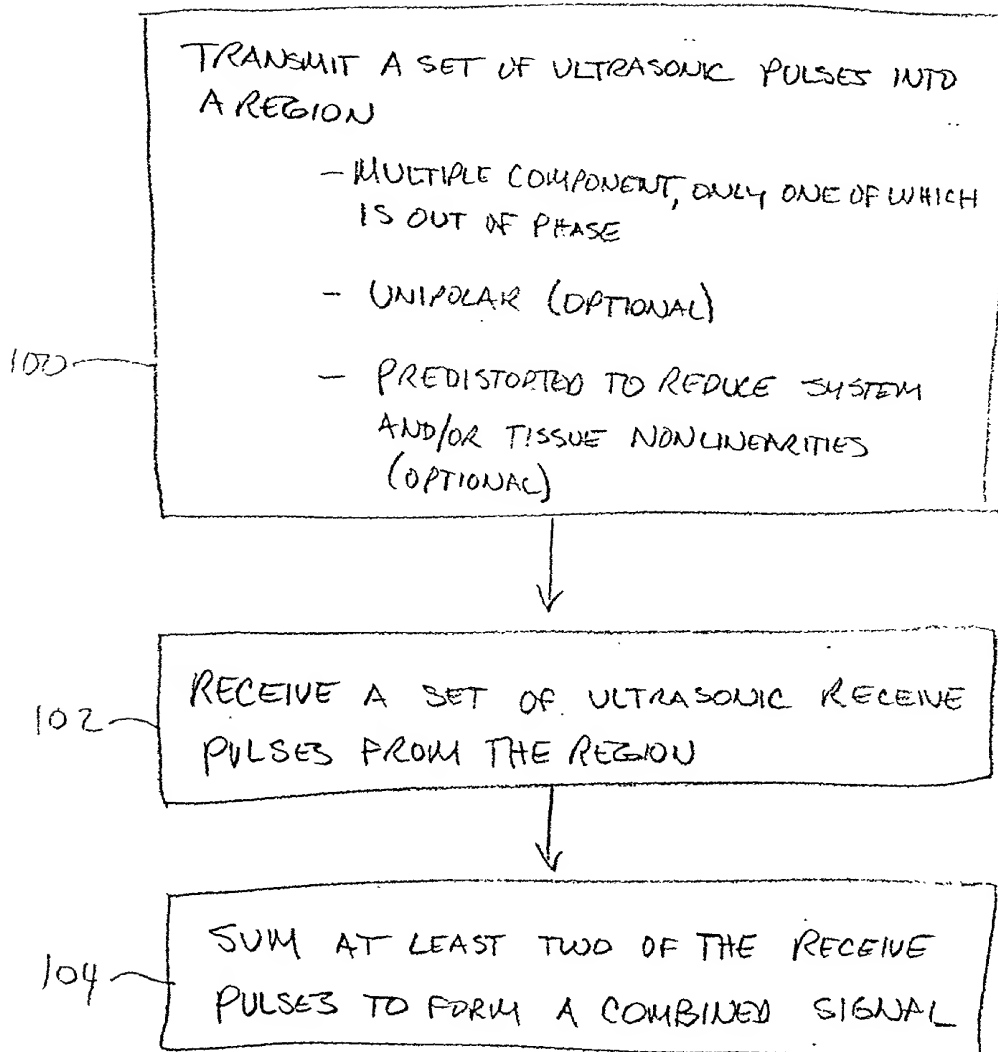


FIG 31